9290

1907

A.D. 1907. April 22. N° 9290.
HUMMEL'S Complete Specification. (1 SHEET)

21. CARRIAGES & WAGONS.
Ambulances and Stretchers.

Fig. 1.

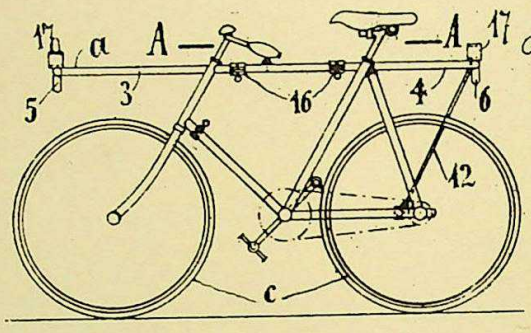
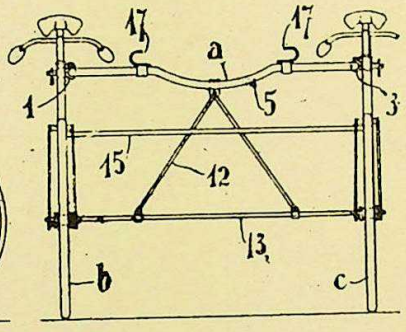


Fig. 2.



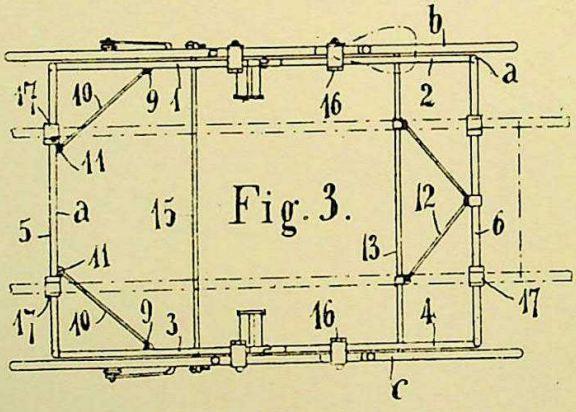


Fig. 3.

Fig. 6.

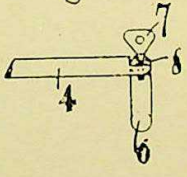


Fig. 4.

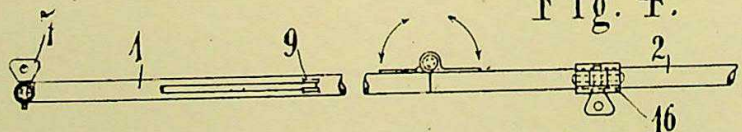
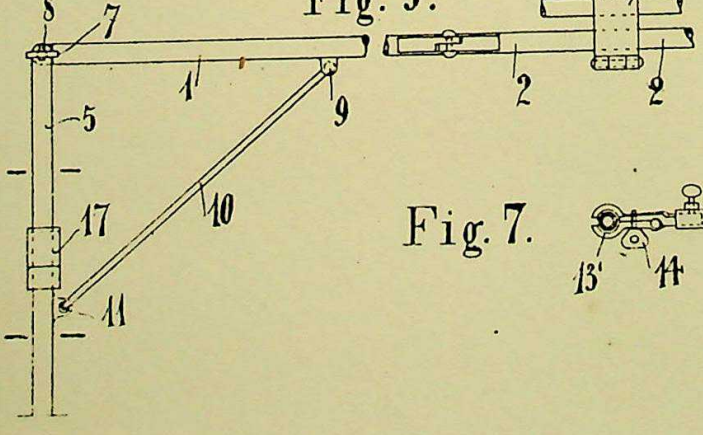
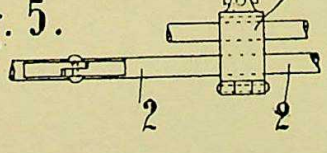


Fig. 5.





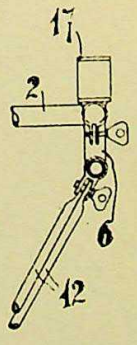
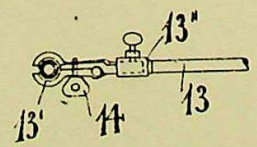


Fig. 7.



Malby & Sons, Photo-Litho.

Ambulances & Stretchers
21. CARRIAGES & WAGONS.
Ambulances and Stretchers.

N° 9290 A.D. 1907

Date of Application, 22nd Apr., 1907—Accepted, 11th July, 1907

COMPLETE SPECIFICATION.

"Improvements relating to Temporary Ambulance Litters."

I, DANIEL HUMMEL, Instructing Sanitary Officer, of Haldingerplatz, 7, Basle, Switzerland, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention has reference to temporary ambulance-litters and its object is to provide means for the coupling together of two bicycles in order to form a wheeled ambulance similar to those described in the Specifications Nos. 12783/1904, 5683/1898 and 14747/1894, but with greater facility for disconnecting and storing the parts.

The accompanying drawings show by way of an example, how the invention is carried into effect, and

Figs. 1, 2 and 3 are a side-elevation, a front-elevation and a horizontal section on the line A A.

Figs. 4 to 7 are various views of details hereinafter referred to.

The arrangement consists of a frame *a* secured between the bicycles *b* and *c* and comprising four longitudinal parts 1, 2, 3 and 4. The parts 1 and 2 as well as the parts 3 and 4 are foldably hinged together as is shown at Figure 4. The free ends of the parts 1 and 3 are connected together by a cross-bar 5, while the ends of the parts 2 and 4 are similarly connected together by a cross-bar 6. The connection between the longitudinal parts and cross-bars is made by cutting away half of the material at each end and securing the overlapping corresponding joints by means of a thumb-screw 7 inserted in a tapped hole in the longitudinal bar. The ends of each cross bar are slotted at 8 to fit the diameter of the thumb-screws and the inner end of each slot 8 is countersunk from above to receive a corresponding collar of the thumb screw.

Thus, before the cross-bars can be removed from the longitudinal bars it will be necessary to unscrew the thumb-screws far enough to withdraw their collars from the countersunk hole, after which the bars can be withdrawn by reason of their slotted ends.

The frame *a* is stiffened by diagonal rods 10 fastened to eyes on the bars 1 and 3 and hooked into eyes 11 on the cross-bar 5 respectively.

To the cross-bar 6 are removably attached two struts 12 whose other ends are fixed to a transverse bar 13 serving to connect the bicycles *b* and *c*. An easy mode of fastening and disconnecting the transverse bar of the cycle frames is shown in Fig. 7 according to which the ends are formed like hinged jaws 13^{I} lined with soft material and screwed together by a thumb-screw 14. It is advantageous to make the jaws with a stem separate from the transverse bar and secure such stem in a socket 13^{II} fitted with a set-screw, and so enable these jaws to be fixed in different angular positions. The frames of the two bicycles are further coupled together by a transverse rod 15 shown in Figs. 2 and 3, and which rod can be constructed similarly to the bar 13.

The frame *a* is fixed to the cycle-frames by means of clips 16 as shown in Figs. 4 and 5, said clips being composed of lined gripping plates hinged together and fastened by a thumb screw. Upon the cross-bars 5 and 6 are sliding sleeves with open spring-clips 17 which serve to hold the arms of a stretcher or the like. The central portions of the cross-bars 5 and 6 are curved

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as shown at Fig. 2, and the stretcher is secured in position by any conve means.

By reason of the facility of erecting and of disconnecting the cycle-a lance, the same can be stored in a very small space and be readily fixed u emergency cases at night more especially for military service.

Having now particularly described and ascertained the nature of my invention, and in what manner the same is to be performed, I declare what I claim is:—

1. A temporary ambulance-litter formed of two bicycles coupled togethe a frame composed of detachable parts fitted with diagonal rods and struts provided with clips for attachment to the cycle-frame and with holders fo reception of an ambulance stretcher, substantially as hereinbefore describ

2. In a temporary ambulance-litter as claimed in Claim 1, the arrange of foldable longitudinal bars for the coupling frame, substantially as he before described.

3. The temporary ambulance-litter, combined, constructed and arranged stantially as hereinbefore described with reference to and shown in the a panying drawings.

Dated this 22nd. day of April, 1907.

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